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<u>02/23/05</u> Date	<u>Kathy Hanos</u> Signature

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
CHARLES V. CARVILL

Serial No.: 10/609,092

Filed: 6/27/2003

For: METHOD AND APPARATUS FOR  
ESTIMATING WATER BOTTOM  
REFLECTION TIME DIFFERENCES

Group Art Unit: 2857

Examiner: Unknown

Atty. Dkt. No.: 2086.002900

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

In accordance with 37 C.F.R. § 1.97(e)(1), Applicant hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the present statement, as evidenced by the date of the enclosed search report.

Applicant respectfully requests that the listed documents be made of record in the present case.

Respectfully submitted,



Mark W. Sincell  
Reg. No. 52,226

Agent for Applicant

WILLIAMS, MORGAN & AMERSON  
CUSTOMER NUMBER: 23720

10333 Richmond Dr., Suite 1100  
Houston, Texas 77042  
(713) 934-7000

Date: 2/23/05

Form PTO-1449 (modified)

Atty. Docket No.  
2086.002900Serial No.  
10/609,092

List of Patents and Publications for Applicant's

Applicant  
CHARLES V. CARVILL

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:  
June 27, 2003

Group:

U.S. Patent Documents  
*See Page 1*Foreign Patent Documents  
*See Page 1*Other Art  
*See Page 1*

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2003/074140 A1	04/17/2003	Mackay	702	18	Oct. 17, 2001
	A2	4,992,993A	02/12/1991	Mackay	367	21	Jan. 18, 1990
	A3	3,638,177A	01/25/1972	Lindblade <i>et al.</i>	340	15.5	July 25, 1969

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	International PCT Search Report, PCT/US2004/018755 dated June 15, 2004
	C2	Mackay, "The Impact of Water-Velocity Variations on Deepwater Seismic Data", The Leading Edge, Seg. April 1, 2003, pp 344, 347-350, XP002297837, pp. 384, right-hand column.
	C3	
	C4	
	C5	
	C6	
	C7	
	C8	
	C9	
	C10	
	C11	

EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.